

4.2 - Graphing Linear Equations

Steps:

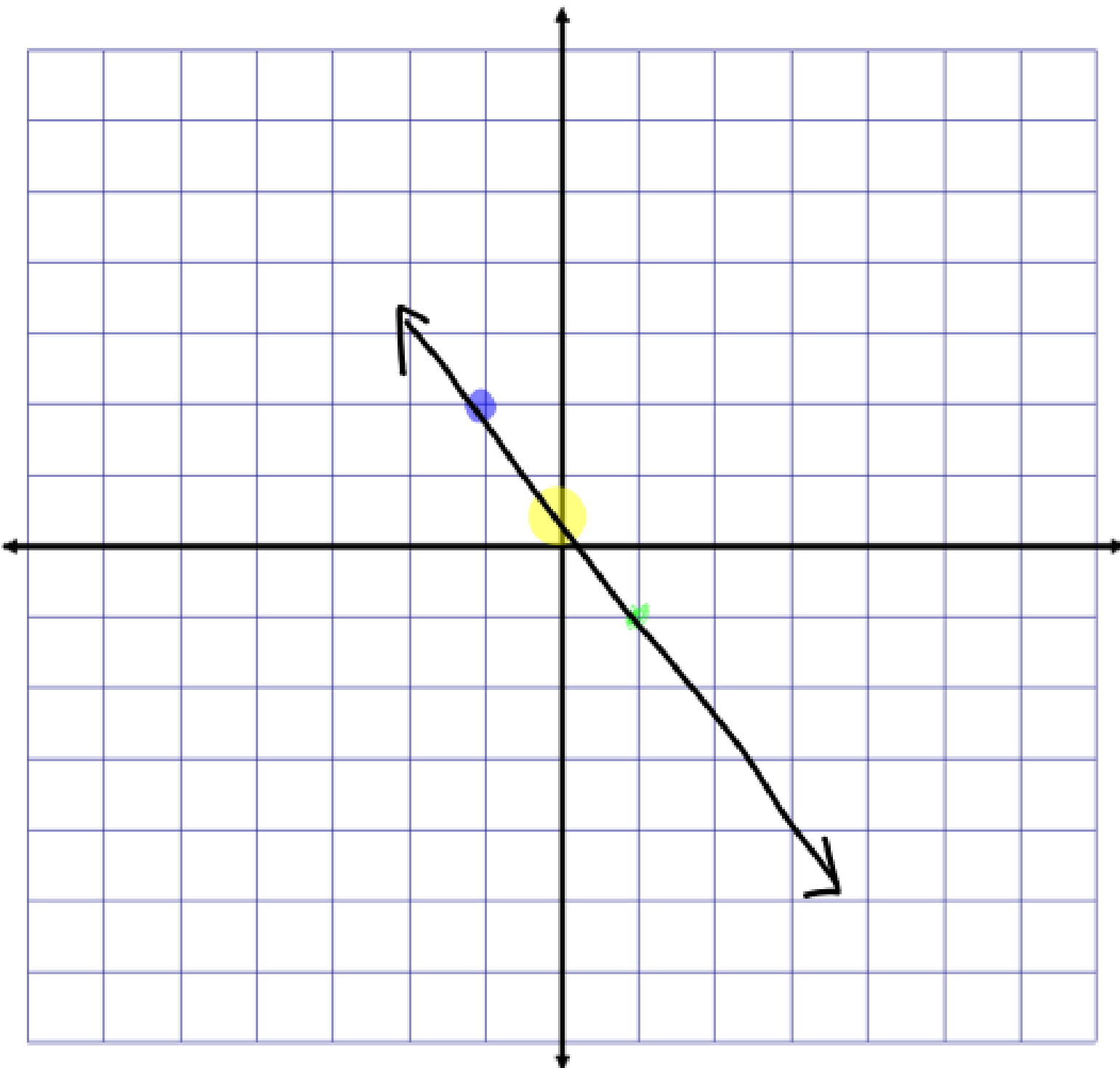
1. write equation in function form ✓
2. make a table ✓
3. plot the points and draw a line

Ex 1: $3x + 2y = 1$

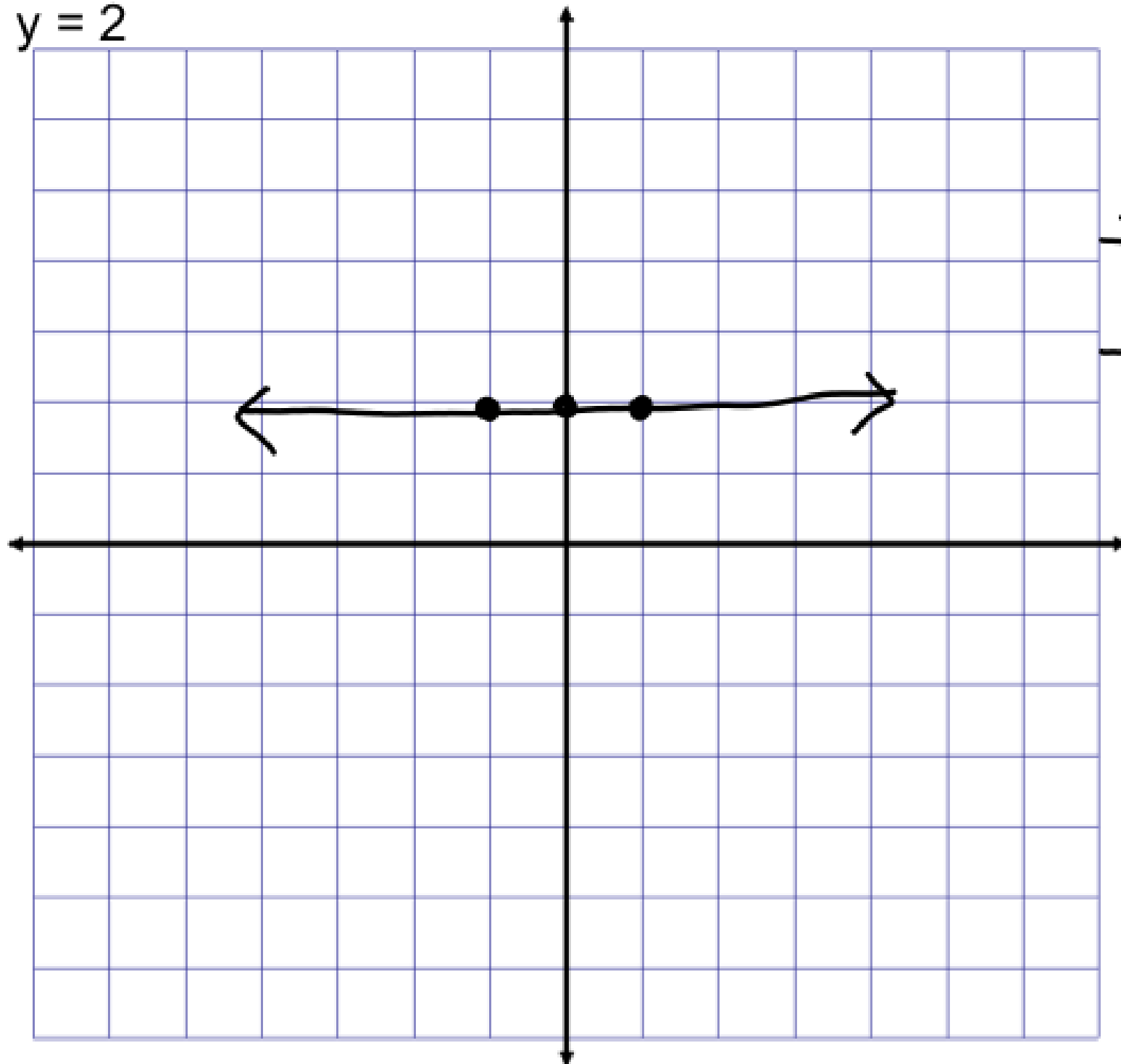
$$\frac{2y}{2} = -\frac{3x}{2} + \frac{1}{2}$$

$$y = -\frac{3}{2}x + \frac{1}{2}$$

x	y
-1	2
0	1/2
1	-1

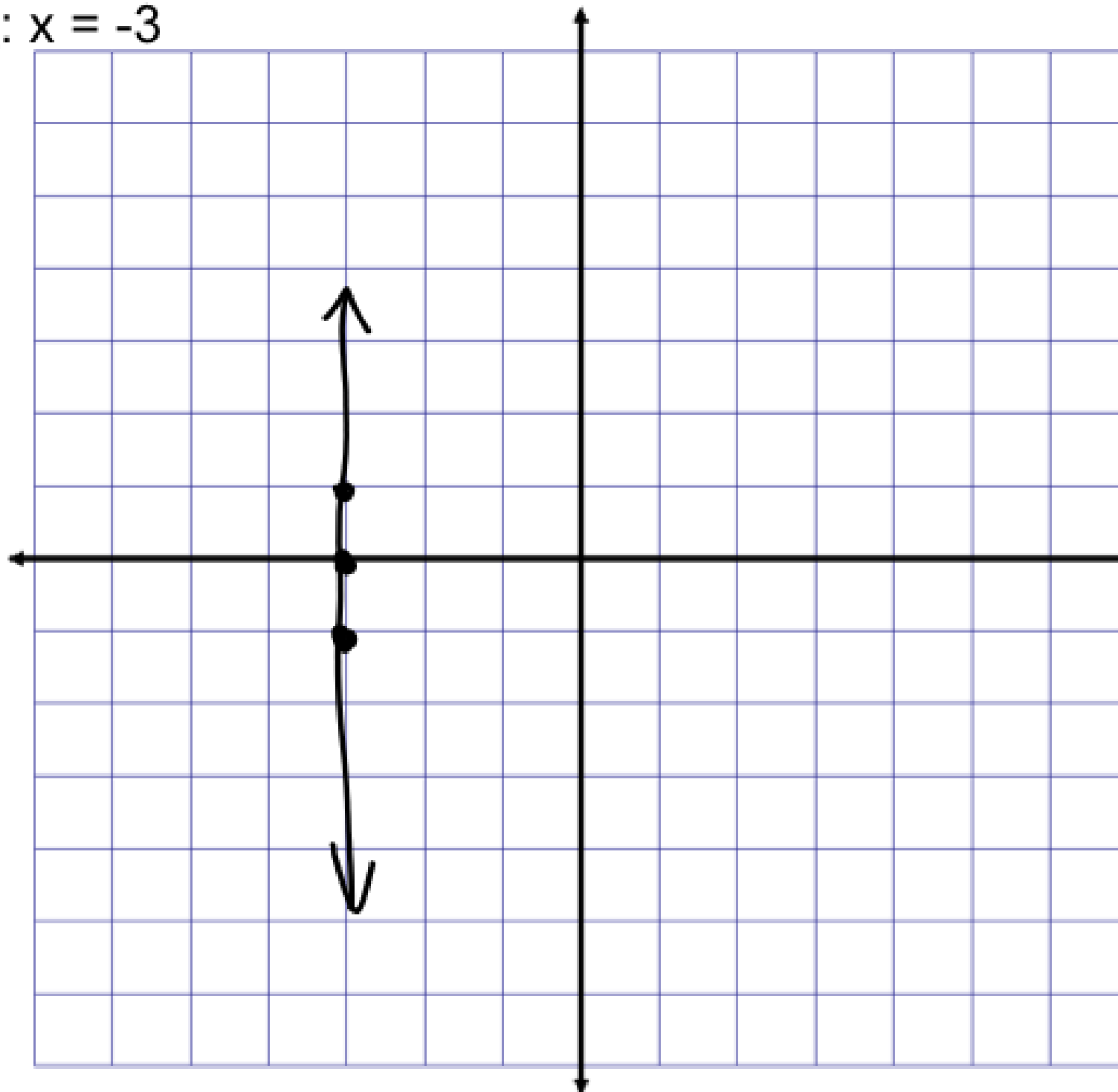


Ex 2: $y = 2$



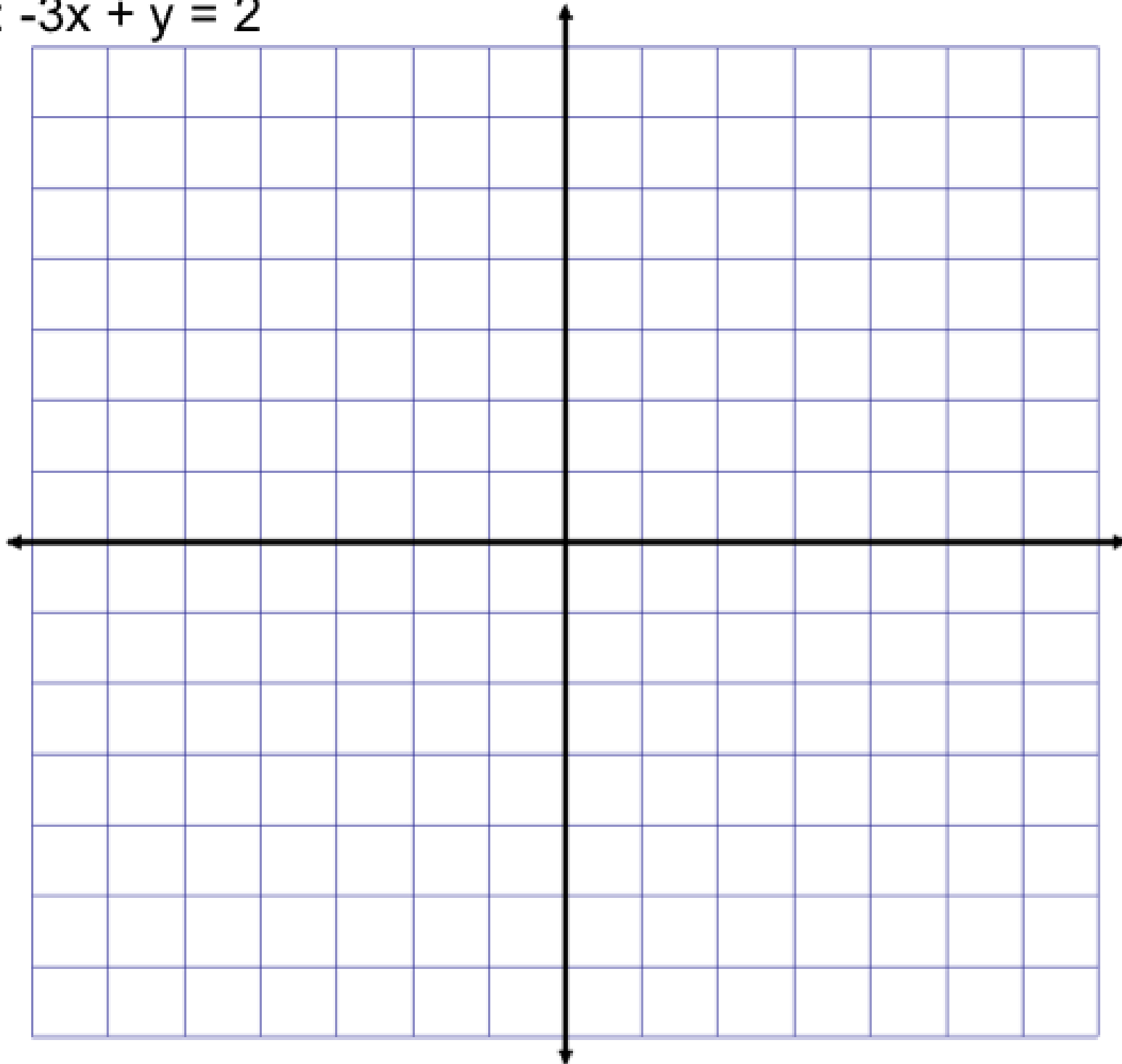
x	y
-1	2
0	2
1	2

Ex 3: $x = -3$



x	y
-3	-1
-3	0
-3	1

Ex 4: $-3x + y = 2$



Homework: p.215 #36-55 all